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Abstract of the Disclosure:

A device and a method for multiplexing and/or demultiplexing optical signals of a plurality of wavelengths. The optical signals of the various wavelengths are combined or separated in a wavelength-

selective manner. To combine or separate the individual wavelengths, only one wavelength-selective filter is used, and the optical signals are routed in such a way that they repeatedly strike the wavelength-selective

10 filter at respectively different angles. The optical signals of only one specific wavelength are coupled in or out for each angle.